

DAFTAR PUSTAKA

- Andrews, R.D. (1966), *Journal of Polymer, Sci*, Part C, Vol. 14, pp. 261-5
- Barsoum, M.W. (1997), *Fundamentals of Ceramics*, 1st, McGraw-Hill, Singapore.
- Beaman, J. (1997), *Historical Perspective, Chapter 3 in JTEC/WTEC Panel Report on RP in Europe and Japan*, WETC Hyper-Librarian.
- Bell, T.A., Couch, S.W. and Krieger, T.L. (2003), "Screw Feeders: A Guide to Selection and Use", *CEP Magazine*, pp. 44-51.
- Beverloo, W.A., Leniger, H.A. and Velde, J. van de. (1961), "The flow of granular solid through orifices", *Chem. Eng. Sci*, Vol. 15, pp. 260-9.
- Billmeyer, F.W. (1984), *Textbook of Polymer Science*, John Wiley & Son, New York.
- Blanthier J.E. (1892), "Manufacture of Contour Relief Maps", U.S. Patent, 0473901.
- Bortolamasi, M. and Fottner, J. (2001), "Design and Sizing of Screw Feeders", *Paper of International Congress for Particle Technology*, Nuremberg, Germany.
- Brown., Clyde, O., Breinan., Edward, M., Kear. and Bernard, H. (1982), "Method for Fabricating Articles by Sequential Layer Deposition", U.S. Patent, 4323756.
- Carslaw, H.S. and Jaeger, J.C. (1986), *Conduction of Heat in Solid*, Clarendon Press, Oxford.
- Castellanos, A. (2000), *Open Problems in Powder Mechanics*, Universidad de Seville.
- Callister, W.D. (1994), *Material Science and Engineering. Third edition*, John Wiley & Son. Inc, Singapore.
- Chase, G.G. (2003), *Solids Notes*, The University of Akron.
- Child, T.H.C. and Tontowi, A.E. (2001), "Selective Laser Sintering of a Crystalline and a glass-filled crystalline polymer: experiments and simulations", *ImechE*, Vol. 215, pp. 1481-95.

- Cyberbond Europe GmbH. (2007), *Cyberbond Cyanoacrylate Adhesives*, Werner-von-Siemens-Str. 2, D – 31515 Wunstorf, Germany
- Deckard and Carl, R. (1989), "Method and Apparatus for Producing Parts By Selective Sintering", U.S. Patent, 4863538
- Ebert, R., Regenfuss, R., Hartwig, L., Klotzer, S. and Exner, H. (2003), "Pro assembly for μm -scale SLS, Reaction sintering, and CVD," *4th International Symposium on Laser Precision Micro-fabrication*, Munich.
- Fayed, M.E. and Otten, L. (1997), *Handbook of Powder Science and Technology, 2nd Edition*, Chapman and Hall – ITP, New York
- Fernandez, T and Bliskovsky, V. (2003), "Cyanoacrylate Technology: Stay Glued", Pharmbiz.com
- Garino, T.J., Zschiesche, D.J. and Howard, M.L. (1995), *Experimental Studies to Support Multi-Material and Modeling*, Sandia National Laboratories.
- German, R.M. (1996), *Sintering Theory and Practice*, John Wiley & Sons, Inc, New York.
- Gouvea, D. and Castro, R.H.R. (1998), *Sintering: The Role of Interface Energies*, Department of Metallurgical and Materials Engineering, Universidad de Sao Paulo, Brazil.
- Gurland, J. (1962), *Powder Metallurgy in the Nuclear Age*, Springer-Verlag, Vienna, pp. 507-08
- Harrison, P. (2002), *Rapid Prototyping User Guide*, Leicester UK : Faculty of Computing Science and Engineering, De Montfort University.
- Hambir, S. and Jog, J.P. (2000), "Sintering of Ultra High Molecular Weight Polyethylene", *Bull. Mater. Sci.*, Vol, 23, No.3, pp. 221-26.
- Housholder and Ross, F. (1981), "Molding Process", U.S. Patent, 4147508.
- Hull and Charles, W. (1986), "Production of Three Dimensional Object by Stereolithography", U.S. Patent, 4575330.
- Huppmann, W.J. (1996), *Sintering in the Presence of a Liquid Phase*, Sintering and Catalysis, Plenum Press, pp. 359-378.
- Jenike, A.W. (1964), "Storage and Flow Solids," *Bulletin Utah Engineering Experiment Station*, University of Utah, Salt Lake City, Utah, No. 123



- Jenike, A.W. and Johansson, J. R. (1968), "Bin Loads", *Journal of the Structural Division, Proceeding of the ASCE*, Vol. 94, pp. 1011.
- Jepson, L., Perez, J.J., Beaman, D., Bourell, K. and Wood. (2000), "Development of a Multi-Material Selective Laser Sintering Process", *Proceedings of the 2000 NSF Design and Manufacturing Grantees Conference*.
- Kalpakjian, S. and Steven, R.S. (1995), *Manufacturing Engineering and Technology 4th edition*, Addison Wesley Publishing Co, Singapore.
- Khalil, S., Nam, J. and Sun, W. (2005), "Multi nozzle-deposition for construction of 3D-biopolymer tissue scaffolds", *Rapid Prototyping Journal.*, Vol. 11, No. 1, pp. 9-17.
- Kumar, P. and Das, S. (n.d), "Gravity flow of fine powders through miniature hoppers", *Powder Tech.*
- Kumar, P., Santosa, J.K., Beck, E. and Das, S. (2004), "Direct-write deposition of fine powders through miniature hopper-nozzle for multi material solid freeform fabrication", *Rapid Prototyping Journal*, Vol.10, No. 1, pp.14-23.
- Larry, R., Jepson., Joseph, J., Beaman., Bourell, D. J., Jackson, B., McAdams, D., Perez, J. and Wood, K.L. (2000), *Multi Material Selective Laser Sintering: Empirical Studies and Hardware Development*, University of Texas at Austin, USA.
- Liu, J. and German, R.M. (1999), "Densification and Shape Distortion in Liquid Phase Sintering," *Metallurgical and Materials Transactions*, Vol. 30A, pp. 3211-19.
- Marinelli, J. and Carson, J.W. (2001), *Solve Solids Flow Problems in Bin, Hoppers and Feeders*, Jenike & Johanson Incorporated, Danvers, USA.
- Meiners., Wilhelm., Wissenbach., Konrad., Gasser and Andres. (2001), "Selective Laser Sintering of Melting Temperature", U.S. Patent, 6215093.
- Mitcham., Larry, D., Nelson. and William, E. (1993), "Stereolithographic apparatus and method for use", U.S. Patent, 5247180
- Munz. and Otto, J. (1956), "Photo-Glyph Recording", U.S. Patent, 2775758.
- Nguyen, T.V., Brennen, C. and Sabersky, R.H. (1979), "Gravity Flow of Granular Materials in Conical Hoppers", *Journal of Applied Mechanics*.



- Ohkuma, A. (1988), "Instant Adhesives (Cyanoacrylate Adhesives)", *Three Bond Technical News*, 1456 Hazama-cho, Hachioji-shi, Tokyo 193-8533, Japan
- O'reilly, J.M. and Karasz, F.E. (1996), *Journal of Polym. Sci; Part C*, Vol. 14, pp. 49-68.
- Rosen, S.L. (1982), *Fundamental Principle of Polymeric Materials*, John Wiley & Son, Singapore.
- Royal, T.A. and Carson, J.W. (1991), *Fine powder Flow Phenomena in Bins, Hoppers and Processing Vessels, Bulk Material Handling Towards the Year 2000*, London.
- Sachs., Emanuel, M., Haggerty., John, S., Cima., Michael, J., Williams. And Paul, A. (1993), "Three Dimensional Printing Techniques", U.S. Patent, 5204055.
- Schnabel, W. (1981), *Polymer Degradation Principle and Practical Applications*, Macmillan Publishing Co., Inc., New York.
- Schneider, S.J. (1991), *Ceramics and Glasses*, Engineering Materials Handbook, ASM International, Vol. 4.
- Schruren, V. B. and Kruth, J. P. (1995), "Powder deposition in selective metal powder sintering", *Rapid Prototyping Journal*, Vol. 1, No. 3, pp. 23-31.
- Shimosaka, A., Ueda, Y., Shirakawa, Y. and Hidaka, J. (2003), "Sintering Mechanism of Two Spheres Forming a Homogeneous Solid Solubility Neck", *KONA*, No.21, pp. 219-33.
- Smith and William, F. (1996), *Principle of Materials Science and Engineering Third Edition*, Mc Graw-Hill, New York.
- Spink, C.D. and Nedderman, R.M. (1978), "Gravity discharge rate of fine particles from hoppers", *Powder Tech.*, Vol. 21, pp. 245-61.
- Swainson and Wyn Kelly. (1977), "Method, Medium and Apparatus for Producing Three Dimensional Figure Product", U.S. Patent, 4041476.
- Tontowi, A.E. and Sembiring, N. (2003), "Modeling of Selective Laser Sintering of Aluminum Powder for Automotive Component Fabrication," *Proceeding Seminar Autotech 2003-UGM*, Yogyakarta.



Tseng, A.A. (1998), "Adaptable filament deposition system and methods for freeform fabrication of three dimensional object", *US Appln.* Serial No. 09/086,164, Submitted through Baker & Botts (A31685), May 28.

Tseng, A.A. (2000), " Apparatus and methods for freeform fabrication of three dimensional object", U.S. Patent No. 6030199, February 29.

Ueda, Y., Shimosaka, A. and Hidaka, J. (1996), *Funtaikougakukai shunki kenkyu koen ronbunshu*, pp. 49-53.

Zbinden, R. (1964), *Infrared Spectroscopy of High Polymers*, Academic Press, New York

www.azom.co.id, diakses pada Oktober 2005

www.dme.net, diakses pada tanggal 10 Juli 2008

www.fzk.de/nanomikro, diakses pada tanggal 10 Juli 2008

www.PTOnline.com, diakses pada tanggal 10 Juli 2008

www.SImetric.co.uk, diakses pada tanggal 10 Juli 2008

www.stratasys.com, diakses pada tanggal 20 September 2008

www.3dsystems.com, diakses pada tanggal 20 September 2008